

COOPER LIGHTING - METALUX®

DESCRIPTION

The accord(TM) redefines fluorescent lighting by improving on aesthetics, comfort and energy savings. The accord(TM) provides the right amount of light while eliminating surface shadows commonly found in parabolics. Therefore, accord(TM) increases the comfort level while providing significant energy savings.

The accord(TM) is the ideal solution for offices, schools, hospitals, retail and other applications.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

A ... Construction

Shallow 3-1/4" deep housing is die formed of code gauge, prime cold rolled steel. Heavy gauge end plates are securely attached with screws for strength and rigidity and the elimination of gaps. Four auxiliary fixture end suspension points are provided. KO's for continuous row wiring. Large access plate for supply connection.

B ... Electrical*

Ballasts are Class "P" and are positively secured. Rotor-lock lampholders ensure positive lamp retention. UL/CUL listed. Suitable for damp locations.

C ... Ballast Access

Ballast can be removed from below without tools.

D ... Finish

Durable cold rolled steel with multistage, iron phosphate pretreatment and white enamel finish to ensure maximum bonding and rust inhibition.

E ... Reflectors

Reflector has high reflectance baked matte white enamel finish for luminous uniformity.

F ... Shielding

Positively retained frosted acrylic profile lenses provide a soft but effective distribution of light.

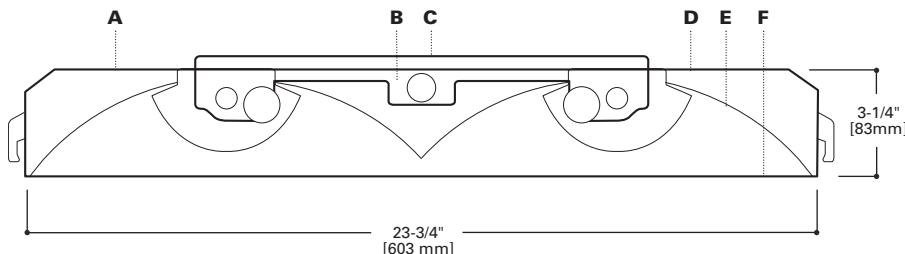
G ... Air Return

Optional Air Return model provides air flow through air slots in the housing.



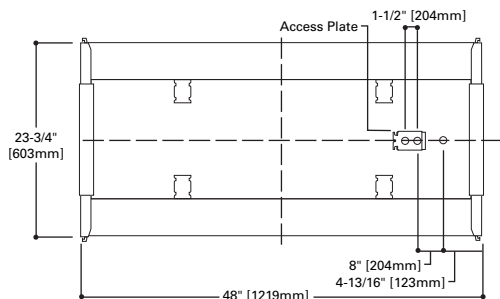
2AC
232T8

T8 LAMPS
2' x 4' Recessed
Troffer Series

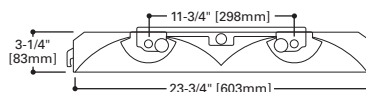


*accord*TM
T5/T8 Recessed Troffer Series

MOUNTING DATA



LAMP CONFIGURATIONS



ENERGY DATA

Input Watts:

EB Ballast & STD Lamps @ 277V
232 (58)

Luminaire Efficacy Rating

LER = FL80 LPW

Catalog Number: 2AC-232

Yearly Cost of 1000 lumens,
3000 hrs @ .08 KWH = \$2.90

*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

**Consult Pre Sales Technical Support.

***See Drywall Frame Kit Accessory

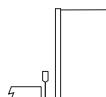
LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

LINEAR DISCONNECT
Safe and convenient means of disconnecting power



CEILING COMPATIBILITY

G
Grid/Lay-in
Standard



F
Drywall Frame
Kit

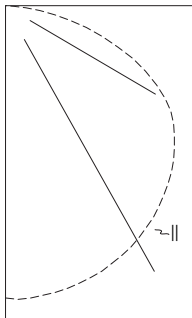


Ceiling
Type**

Exposed Grid
Concealed T
Slot Grid
Flange

Trim
Type

G
G or T
G or T



Candlepower

Angle	Along II	45°	Across I
0	1613	1613	1613
5	1605	1610	1616
10	1585	1594	1604
15	1550	1568	1585
20	1501	1530	1557
25	1439	1482	1520
30	1365	1424	1476
35	1279	1357	1424
40	1183	1281	1365
45	1079	1197	1297
50	966	1106	1220
55	847	1006	1133
60	722	898	1021
65	589	782	856
70	452	634	663
75	315	456	465
80	187	280	277
85	81	118	113
90	0	0	0

Coefficients of Utilization

		Effective floor cavity reflectance								20%															
rc	rw	80%				70%				50%				30%				10%				0%			
		70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0						
RCR																									
0		101	101	101	101	99	99	99	99	94	94	94	90	90	90	87	87	87	85						
1		92	87	83	80	89	85	82	79	82	79	76	78	76	74	75	73	72	70						
2		83	75	69	64	81	74	68	63	71	66	62	68	64	60	65	62	59	57						
3		75	66	58	53	73	64	57	52	62	56	51	59	54	50	57	53	49	47						
4		69	58	50	44	66	57	49	44	54	48	43	52	47	42	51	46	42	40						
5		63	51	43	38	61	50	43	37	49	42	37	47	41	36	45	40	36	34						
6		58	46	38	33	56	45	38	32	44	37	32	42	36	32	41	36	31	30						
7		54	42	34	29	52	41	34	28	40	33	28	38	32	28	37	32	28	26						
8		50	38	30	25	48	37	30	25	36	30	25	35	29	25	34	29	25	23						
9		46	35	28	23	45	34	27	23	33	27	22	32	26	22	31	26	22	21						
10		44	32	25	20	42	32	25	20	31	25	20	30	24	20	29	24	20	19						

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1279	20.6	24.3
0-40	2127	34.3	40.4
0-60	3942	63.6	74.9
0-90	5266	84.9	100.0
0-180	5266	84.9	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	2186	2425	2628
55	2115	2513	2830
65	1996	2651	2902
75	1743	2524	2574
85	1331	1939	1857

ORDERING INFORMATION

SAMPLE NUMBER: 2AC-232-UNV-L8841-EB82-U

Rating Blank = Standard NY =New York Rated ATW-SW4 = Chicago Rated	Number of Lamps (Not included) 2 =2 Lamp	Shielding Blank =Frosted Acrylic SQP =Lens with Square Pattern Insert RDP =Lens with Round Pattern Insert	Lamps L8835 =T8 Lamp, 17W and 32W, 3500K L8841 =T8 Lamp, 17W and 32W, 4100K L8835HL =T8 Lamp, 32W, 3500K, 3100 Lumens L8841HL =T8 Lamp, 32W, 4100K, 3100 Lumens	Ballast Type EB8 _=T8 Electronic Instant Start. Total Harmonic Distortion < 10% No. of Ballast 1 or 2 EB8 _/ PLUS =T8 Electronic Instant Start. High Ballast Factor >1.13.Total Harmonic Distortion < 20% No. of Ballast 1 or 2 ER8 _=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10% No. of Ballast 1 or 2 HPT8 Ballast Ballast H88_L =T8 Electronic Instant Start. Low Ballast Factor .77 H88 _=T8 Electronic Instant Start. Ballast Factor .88	Packaging U =Unit Pack PALC =Job Pack, in carton
Width 2 =2' Width	Wattage (Length) 32 =32W T8 (48")	Voltage⁽¹⁾ UNV =Universal Voltage 120-277			
Series AC =Accord Series		Options GL =Single Element Fuse GM =Double Element Fuse Flex =Flex installed EL =Emergency Installed			
Type A =Air (optional)					

NOTES: ⁽¹⁾ Products also available in non-US voltages and frequencies for international markets.
For complete product data, reference the Fluorescent Specification binder. Specifications & dimensions subject to change without notice.
Consult your Cooper Lighting Representative for availability and ordering information.

SHIPPING INFORMATION

Catalog No.	Wt.
2AC-232	28 lbs.